



LNP™ THERMOCOMP™ Compound UFW49S

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound UFM-3249 HS

Product reorder name: UFW49S

LNP THERMOCOMP UFW49S is a compound based on Polyphthalamide resin containing 45% Glass Fiber, 20% Wollastonite. Added features of this material include: Heat Stabilized, Low Warpage.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	192	MPa	ISO 527
Tensile Strain, break	1.1	%	ISO 527
Flexural Stress	274	MPa	ISO 178
THERMAL			
CTE, -30°C to 30°C, flow	1.7E-05	1/°C	ASTM D 696
CTE, -30°C to 30°C, xflow	2.7E-05	1/°C	ASTM D 696
PHYSICAL			
Density	1.85	g/cm ³	ASTM D 792



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15	%
Melt Temperature	315 - 330	°C
Front - Zone 3 Temperature	325 - 340	°C
Middle - Zone 2 Temperature	315 - 325	°C
Rear - Zone 1 Temperature	310 - 320	°C
Mold Temperature	140 - 165	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm